EXCEEDANCE TYPES August 10 – August 22, 2005

According to the Washington Department of Ecology TDG variance for 2005 spill season, the Corps is required to provided the following information on exceedances of the 120% TDG in tailwater and 115% TDG in forebay water quality standards:

- 1. Date and times of exceedance
- 2. Amount of exceedance in percent saturation

10. Exceedance due to failure of FMS gages, database outage, and satellite failures, etc

12. Exceedance due to sharp rise in water temperature (a 3 to 5 degree F. change in a day).13. Exceedance due to bulk spill pattern being used which generated more TDG than expected.

- 3. Explain reason for exceedance
- 4. Discuss steps taken to fix the problem.

In order to provide the above information, the Corps has developed the following draft list of reasons that exceedances occur. Exceedances are being tracked and the following table is the results for the 2005 spill season from May 31 – June 13, 2005.

	Types of Exceedances:								
1. Ex	xceedance due to high runoff flows and flood control efforts								
2. Ex	xceedance due to Intertie line outages								
	xceedance due to unit outages during repair or maintenance								
4. Ex	xceedance due to BPA is unable to handle load so they had to spill								
	xceedance due to a break down in communication. (e.g. Teletype transmission failure or project operator misinterpreted teletype)								
6. Ex	xceedance due to uncertainties when using best professional judgment to apply the spill guidance criteria (travel time; degassing; water								
tempe	temperature effects; spill patterns)								
7. Ex	xceedance due to high TDG levels coming from the Mid-Columbia Projects (see Pasco FMS readings).								
8. Ex	xceedance due to high TDG levels coming from the Snake Projects (See Ice Harbor Dam tailwater FMS readings)								
9. Ex	xceedance due to a load rejection, the powerhouse was not working and the river was spilled.								

Exceedances are being tracked and the following table is the results for the 2005 spill season from August 10 – August 22, 2005.

11. Exceedance due to other unanticipated mechanical problems/maintenance operations (gate was stuck open, passing debris etc.)

TYPES OF EXCEEDANCES

OF 12 HIGHEST HOURS AVERAGE OF % TDG

August 10 - August 22, 2005

	Low	Low	Little	Little	Low	Low	Ice	Ice						The	The				
	Gran	Gran	Goose		Monu.	Monu.	Harb	Harb	McNary	McNary	McNary	John	John		Dalles	BON	BON	WRNO	Camas
	FB	TW	FB	TW	FB	TW	FB	TW	FB-W	-	TW		Day TW		TW	FB	TW	TW	FB
DATE	LWG	LGNW	LGSA	LGSW	LMNA	LMNW	IHRA	IDSW	MCNA	MCQO	MCPW	JDY	JHAW	TDA	TDDO	BON	CCIW	WRNO	CWMW
	Exceed	Excee	Excee	Exceed	Exceed	Exceed	Exceed	Excee	Exceed	Exceed	Exceed	Exceed	Exceed	Excee	Excee	Excee	Excee	Excee	Exceed
	ance	dance	dance	ance	ance	ance	ance	dance	ance	ance	ance	ance	ance	dance	dance	dance	dance	dance	ance
DATE	Туре	Type	Туре	Туре	Туре	Туре	Туре	Type	Туре	Туре	Туре	Туре	Туре	Туре	Туре	Туре	Туре	Type	Туре
8/10/05						-		I		-	-		-					-	
8/11/05								-										-	
8/12/05								-											
8/13/05						-		I		-	-		-					-	
8/14/05						-		I		-	-		-					-	
8/15/05																			
8/16/05								-											
8/17/05																			
8/18/05																			
8/19/05						-		I		-	-		-					-	
8/20/05						-		I	-	-	-		-					-	
8/21/05																			
8/22/05																			
Total																			
Exceedan ce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0